THE OFFICE OF REGULATORY STAFF SURREBUTTAL TESTIMONY & EXHIBITS

OF

ZACHARY J. PAYNE

MARCH 26, 2018



DOCKET NO. 2017-292-WS

Application of Carolina Water Service, Incorporated for Approval of an Increase in Its Rates for Water and Sewer Services

March 26, 2018

Page 1 of 8

1		SURREBUTTAL TESTIMONY AND EXHIBITS OF							
2	ZACHARY J. PAYNE								
3	ON BEHALF OF								
4		THE SOUTH CAROLINA OFFICE OF REGULATORY STAFF							
5		DOCKET NO. 2017-292-WS							
6		IN RE: APPLICATION OF CAROLINA WATER SERVICE,							
7		INCORPORATED FOR APPROVAL OF AN INCREASE IN ITS							
8		RATES FOR WATER AND SEWER SERVICES							
9									
10	Q.	PLEASE STATE YOUR NAME, BUSINESS ADDRESS, AND							
11		OCCUPATION.							
12	A.	My name is Zachary J. Payne. My business address is 1401 Main Street,							
13		Suite 900, Columbia, South Carolina, 29201. I am employed by the South Carolina							
14		Office of Regulatory Staff ("ORS") in the Audit Department as a Senior Auditor.							
15	Q.	ARE YOU THE SAME ZACHARY PAYNE WHO PRESENTED DIRECT							
16		TESTIMONY IN THIS DOCKET?							
17	A.	Yes, I pre-filed direct testimony reflecting ORS findings in this proceeding							
18		on March 12, 2018.							
19	Q.	WHAT IS THE PURPOSE OF YOUR SURREBUTTAL TESTIMONY?							
20	A.	The purpose of my surrebuttal testimony is to respond to certain issues raised							
21		in the rebuttal testimonies of Carolina Water Service, Inc. ("CWS" or "Company")							
22		witnesses Robert Hunter, Michael Cartin, and Bob Gilroy. My surrebuttal will							
23		address the Company's issues with ORS adjustment 9c proposed for deferred							

March 26, 2018

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Page 2 of 8

purchased water, ORS adjustment 9d proposed to normalize sludge hauling expense,

ORS adjustment 16 proposed for rate case expenses, and ORS adjustment 32c

proposed for general ledger additions that excluded costs for the Friarsgate

equalization basin ("EQ") liner. My surrebuttal will also address components of the

information presented in Robert Hunter's rebuttal testimony regarding the impact of

Q. WHAT IS ORS'S POSITION REGARDING THE DEFERRED PURCHASED WATER ADJUSTMENT UPDATE PROPOSED BY MR. HUNTER IN HIS REBUTTAL TESTIMONY?

the Tax Cut and Jobs Act on the Company's rates.

A. Prior to ORS filing direct testimony, the Company had provided documentation sufficient to support a purchased water deferral balance of \$573,101. This is the same deferral balance referenced on page 8, line 9 of my direct testimony filed March 12, 2018. On March 22, 2018, the Company provided documentation in support of a purchased water deferral balance of \$669,808. ORS did not have sufficient time to review and verify this supporting documentation provided by the Company prior to the filing of my surrebuttal testimony. ORS will review this information prior to the hearing.

Q. WHAT IS ORS'S POSITION REGARDING THE NORMALIZED SLUDGE HAULING EXPENSE ADJUSTMENT ADDRESSED BY MR. GILROY IN HIS REBUTTAL TESTIMONY?

ORS adjustment 9d was proposed to normalize sludge hauling expense for the Friarsgate and Watergate business units ("BUs"). ORS's review of the test year and the two previous years ended August 31st, indicated a larger than normal

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increase in sludge hauling expenses during the test year for these two BUs. It is ORS's opinion that the test year sludge hauling amounts are atypical, and do not indicate future trends. Based on the review, ORS noted the following:

Annual Sludge Hauling Expense for Friarsgate and Watergate									
	Expense for 12	Expense for 12	3 Year						
	Months Ended	Months Ended	Months Ended	Average					
	8/31/15	8/31/16	8/31/17	Annual					
	-1040			Expense					
Friarsgate	\$99,197	\$127,426	\$212,226	\$146,283					
Watergate	\$25,370	\$25,797	\$72,007	\$41,058					

ORS used the three year average annual expense in the table above to calculate ORS adjustment 9d in the amount of (\$96,892), as it more closely represents a typical year, and normalizes the Company's operating experience used for setting rates for customers going forward. "When an unusual situation exists for utility ratemaking purposes resulting in test year figures that are atypical and thus do not indicate future trends, Public Service Commission ("PSC") should adjust test year data." *Porter v. South Carolina Public Service Comm'n*, 328 S.C. 222, 493 S.E.2d 92 (1997).

Q. WHAT IS ORS'S POSITION REGARDING THE RATE CASE EXPENSE ADJUSTMENT UPDATE PROPOSED BY MR. HUNTER IN HIS REBUTTAL TESTIMONY?

Prior to ORS filing direct testimony, the Company had provided documentation sufficient to support \$47,546 in current rate case expenses. This is the same amount for current rate case expenses referenced on page 11, line 10 of my direct testimony filed March 12, 2018. On March 22, 2018, the Company

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\$88,500. Due to the timeline for filing surrebuttal, ORS does not have sufficient time to review and verify this latest information provided by the Company. ORS recognizes that the Company will continue to incur expenses up to and through the hearing. ORS does not object to an additional update to rate case expenses subject to ORS verification.

- Q. WHAT IS ORS'S POSITION REGARDING THE FRIARSGATE

 EQUALIZATION BASIN LINER PROJECT THAT MR. CARTIN

 PROPOSES TO INCLUDE IN THE ADJUSTMENT TO GROSS PLANT IN

 SERVICE FOR PLANT ADDITIONS IN HIS REBUTTAL TESTIMONY?
- Mr. Cartin proposes to include in rate base, as part of ORS adjustment 32c,
 costs incurred through February 12, 2018 relating to the removal and replacement
 of the EQ liner at the Friarsgate wastewater treatment facility. The new EQ liner
 currently remains under construction. Therefore, it is not used and useful or
 providing service to customers, and costs associated with removal and replacement
 of the EQ liner, should not be included in the calculation of rates to be charged to
 customers in this docket.
- Q. DID ORS REVIEW THE INFORMATION PRESENTED BY THE
 COMPANY ON THE IMPACT OF THE TAX CUT AND JOBS ACT TO
 THE COMPANY'S RATES?
- 21 **A.** Yes. This section of my surrebuttal testimony addresses ORS's position 22 related to the Company's proposal to create an excess Accumulated Deferred

Income Tax ("ADIT") liability, the protected and unprotected components of the liability, and the amortization of the excess ADIT liability.

ORS agrees with the Company's proposal to create an excess ADIT liability that represents the portion of ADIT that has been collected from ratepayers but is no longer to be paid by the Company in taxes due to lower federal tax rates. ORS agrees with the Company's position that this excess ADIT liability should be split into protected and unprotected components, so that each component can be amortized in a manner that most accurately reflects the benefit the Company will realize, which should be passed on to ratepayers.

ORS has not had sufficient time to verify the Company's calculation of the balance of protected excess ADIT or the calculation of a 56 year weighted average life associated with the protected excess ADIT, but accepts the Company's proposal for this docket. ORS also accepts the Company's proposal to amortize the unprotected excess ADIT over 3 years, although ORS also has not had sufficient time to verify the Company's calculation of the unprotected excess ADIT liability balance. However, it is ORS's opinion that ratepayers are due a return of monies collected for taxes that will no longer be paid by the Company as a result of the Tax Cut and Jobs Act. Although ORS accepts the Company's calculations of the protected and unprotected excess ADIT balances and the 56 year weighted average useful life for protected excess ADIT currently, ORS recognizes that these excess ADIT balances and the calculation of the weighted average life may need to be trued up in a future docket.

March 26, 2018

Page 6 of 8

1	Q.	WHAT ORS ADJUSTMENTS ARE NECESSARY TO REFLECT THE
2		IMPACT OF THE TAX CUT AND JOBS ACT ON THE COMPANY'S
3		OPERATING EXPERIENCE, RATE BASE AND RATE OF RETURN?
4	A.	The adjustments are as follows:
5		• ORS Adjustment A - Amortization of Excess Tax Collection - ORS
6		proposes an adjustment of \$422,475 to the Company's revenue. This
7		adjustment reflects the 3 year amortization of the \$1,267,425 excess tax
8		collection liability created by adjustment F. This adjustment is discussed in
9		further detail in the surrebuttal testimony of ORS Utility Rates Department
10		witness Matthew Schellinger.
11		• ORS Adjustment B - Amortization of Excess ADIT Liability - ORS and the
12		Company propose an adjustment of (\$136,924) to reflect the annual
13		amortization of protected and unprotected excess ADIT liabilities created by
14		adjustments D and E. The protected excess ADIT liability amount of
15		(\$2,978,710) is amortized over 56 years resulting in an annual amortization of
16		(\$53,191). The unprotected excess ADIT liability amount of (\$251,199) is
17		amortized over 3 years resulting in an annual amortization of (\$83,733).
18		• ORS Adjustment C - Accumulated Deferred Income Taxes - ORS and the
19		Company propose an adjustment of \$3,229,909 to remove from existing ADIT
20		the amount of excess ADIT liabilities created by the Tax Cut and Jobs Act.
21		ORS Adjustment D – Excess ADIT Liability – Protected – ORS proposes an
22		adjustment of (\$2,925,519) to create a net excess ADIT liability for protected
23		asset classes. The adjustment amount reflects the balance of the (\$2,978,710)

1	liaibility proposed by the Company less one year's amortization expense of
2	(\$53,191) included in adjustment B.

- ORS Adjustment E Excess ADIT Liability Unprotected ORS proposes an adjustment of (\$167,466) to create a net excess ADIT liability for unprotected asset classes. The adjustment amount reflects the balance of the (\$251,199) liability proposed by the Company less one year's amortization expense of (\$83,733) included in adjustment B.
- ORS Adjustment F Excess Tax Collection Liability ORS proposes an adjustment of (\$844,950) to the Company's rate base. This adjustment reflects the balance of \$1,267,425 less one year of amortization, for excess tax collection which ORS estimates to be the amount of excess tax collection the Company should collect from January 1, 2018 through May 10, 2018 from customers due to current customer rates having been calculated using a 35% federal tax rate. ORS proposes to amortize this liability over 3 years and the annual amortization of \$422,475 is addressed in ORS adjustment A. This adjustment is discussed in further detail in the surrebuttal testimony of ORS Utility Rates Department witness Matthew Schellinger.

To reflect the impact of the Tax Cut and Jobs Act on the Company's operating experience, rate base and rate of return, ORS has included Audit Surrebuttal Exhibits ZJP-1 through ZJP-9. These exhibits follow the same format as the exhibits filed on March 12, 2018 along with my direct testimony. These exhibits include ORS adjustments A-F presented above, which have been highlighted on ORS Audit Surrebuttal Exhibits ZJP-1 through ZJP-5.

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1	As a result of ORS adjustments A-F, several adjustments proposed by ORS
2	in my direct testimony filed March 12, 2018 have changed. These adjustments
3	include adjustment 25b utility commission taxes, adjustment 26 income taxes -
4	state, adjustment 27 income taxes - federal, adjustment 30 customer growth, and
5	adjustment 37 interest expense. These adjustments are also reflected in Audit
6	Surrebuttal Exhibits ZJP-1 through ZJP-9.

DOES THIS CONCLUDE YOUR TESTIMONY? 7 Q.

8 Yes. A.

Carolina Water Service, Inc. Operating Experience, Rate Base and Rate of Return Combined Operations - Water and Sewer Service Territory 1 & 2 Docket No. 2017-292-WS

Test Year Ended August 31, 2017

	(1) Application Per	(2) Accounting & Pro Forma		(3) After Accounting & Pro Forma	(4) Proposed		(5) After Proposed
<u>Description</u>	Books \$	Adjustments \$	-	Present \$	Increase \$		Increase \$
Operating Revenues Service Revenues - Water Service Revenues - Sewer Miscellaneous Revenues	10,351,801 10,602,605 474,882	445,276 (1,660,950) 22,313	(1) (2) (3)	10,797,077 8,941,655 497,195	2,394,421 2,292,098 35,576	(38) (39) (40)	13,191,498 11,233,753 532,771
Amortization of Excess Tax Collection Uncollectible Accounts	(309,649)	422,475 15,394	(A) (4)	422,475 (294,255)	0 (53,292)	(41)	422,475 (347,547)
Total Operating Revenues	21,119,639	(755,492)	3 VACCECOV.	20,364,147	4,668,803	. (117	25,032,950
Maintenance Expenses Salaries and Wages Capitalized Time Purchased Power Purchased Water and Sewer Maintenance and Repair Maintenance Testing Meter Reading Chemicals Transportation Operating Exp. Charged to Plant Total Maintenance Expenses	2,565,425 (525,777) 895,192 3,313,014 2,232,236 265,450 110,205 487,720 206,630 0 9,550,095	134,298 (15,911) (75,032) 598,804 (32,474) (8,831) (25) (87,780) (1,065) 0	(5) (6) (7) (8) (9) (10) (11) (12)	2,699,723 (541,688) 820,160 3,911,818 2,199,762 256,619 110,180 399,940 205,565 0	0 0 0 0 0 0 0 0 0 0 0		2,699,723 (541,688) 820,160 3,911,818 2,199,762 256,619 110,180 399,940 205,565 0
General Expenses Salaries and Wages Office Supplies & Other Office Exp Regulatory Commission Exp. Pension & Other Benefits Rent Insurance Office Utilities Outside Services Non-Utility Misc Income Miscellaneous Total General Expenses	700,280 416,692 318,145 763,625 25,580 312,963 599,990 281,034 0 34,173	(72,820) (112,585) (229,367) 55,633 (178) (20,955) (59,574) (8,435) 0 (114,681)	(14) (15) (16) (17) (18) (19) (20) (21)	627,460 304,107 88,778 819,258 25,402 292,008 540,416 272,599 0 (80,508) 2,889,520	0 0 0 0 0 0 0 0 0 0		627,460 304,107 88,778 819,258 25,402 292,008 540,416 272,599 0 (80,508)
Depreciation Amortization of CIAC Taxes Other Than Income Income Taxes - State Income Taxes - Federal Amortization of Excess ADIT Liability Sale of Utility Property	1,717,514 (416,355) 2,925,145 177,733 1,074,691 0 (29,323)	(83,079) 10,505 104,091 (96,502) (750,583) (136,924) 29,323	(23) (24) (25) (26) (27) (B) (28)	1,634,435 (405,850) 3,029,236 81,231 324,108 (136,924)	0 0 24,473 225,370 899,227 0	(42) (43) (44)	1,634,435 (405,850) 3,053,709 306,601 1,223,335 (136,924)
Amort. Investment Tax Credit Amortization of PAA	(8,853) (17,129)	0 1,756	(29)	(8,853) (15,373)	0		(8,853) (15,373)
Total Other Expenses	5,423,423	(921,413)		4,502,010	1,149,070	_	5,651,080
Total Operating Expenses	18,426,000	(972,391)		17,453,609	1,149,070		18,602,679
Net Operating Income	2,693,639	216,899		2,910,538	3,519,733	_	6,430,271
Customer Growth Interest During Construction	0 (89,608)	28,803 89,608	(30) (31)	28,803 0	38,335 0	(45)	67,138 0
Net Income (Loss) For Return	2,783,247	156,094		2,939,341	3,558,068	_	6,497,409
Original Cost Rate Base: Gross Plant In Service Accumulated Depreciation Net Plant In Service Deferred Charges	101,446,033 (15,938,540) 85,507,493	(6,274,846) 2,949,621 (3,325,225) 0	(32) (33)	95,171,187 (12,988,919) 82,182,268 0	0 0 0 0	-	95,171,187 (12,988,919) 82,182,268
Cash Working Capital Contributions In Aid of Construction	1,625,322 (21,662,799)	(6,372) 732,675	(34) (35)	1,618,950 (20,930,124)	0		1,618,950
Accumulated Deferred Income Taxes (ADIT) Excess ADIT Liability - Protected	(7,539,471)	3,229,909 (2,925,519)	(C) (D)	(4,309,562) (2,925,519)	0		(20,930,124) (4,309,562) (2,925,519)
Excess ADIT Liability - Unprotected Excess Tax Collection Liability	0	(167,466)	(E)	(167,466)	0		(2,925,519) (167,466)
Customer Deposits Advances in Aid of Construction	(336,522)	(844,950)	(F)	(844,950) (336,522)	0		(844,950) (336,522)
Plant Acquisition Adjustment	(892,626)	32,541	(36)	(860,085)	0	_	(860,085)
Total Rate Base	56,701,397	(3,274,407)		53,426,990	0	=	53,426,990
Return on Rate Base	4.91%			5.50%		_	12.16%
Operating Margin	4.88%			6.13%		_	19.20%
Interest Expense	1,752,211	(60,934)	(37)	1,691,277	0	=	1,691,277

Carolina Water Service, Inc. Operating Experience, Rate Base and Rate of Return Water Service Territory 1 Docket No. 2017-292-WS Test Year Ended August 31, 2017

Secretaring Revenues	Description	(1) Application Per Books	(2) Accounting & Pro Forma Adjustments		(3) After Accounting & Pro Forma	(4) Proposed		(5) After Proposed
December Service Revenues				•0	Present \$	Increase \$	9 <u>~</u>	Increase \$
Miscellaneous Revenues		5 450 075	246 007	220	5 500 000			
Monotingation of Excess Tax Collection 0								
Total Operating Revenues		0					(40)	
Maintenance Expenses Salaries and Wages 734.418 147.974 (5) 882.392 0 882.392 Farman	Uncollectible Accounts	(74,834)	(4,612)	(4)	(79,446)	(23,464)	(41)	(102,910)
Salaries and Wages 734.418 147.974 65 882.392 0 882.392 Copinizined Time (152.357) (2.727) (6) (175.0848) 0 98.484 Purchased Waser 98.484 9 (7) 98.484 0 98.484 Purchased Waser 1.584.518 507.467 (8) 2.011.985 0 2.02.191.895 Maintenance Testing 2.71.157 0 (11) 2.71.157 0 17.115 Chemicals 171.165 0 (12) 171.165 0 171.155 Chemicals 171.165 0 (12) 171.165 0 0 7.017.157 Chemicals 171.165 0 (12) 171.165 0 0 7.017.157 Chemicals 171.165 0 (12) 171.165 0 0 5.585 Chemicals 1.42 0 0 0 0 0 0 0 0 0 0 0 0	100 miles 100 mi	5,455,235	504,609		5,959,844	1,358,267	-	7,318,111
Capitalized Time		724 419	147.074					
Purchased Power 99, 484 0 77 98,484 0 209, 988, 489 Purchased Waser and Sewer 1,584,518 507,467 16 2,091,985 0 2091,985 Maintenance and Repair 2,38,310 157,941 19 306,251 0 306,251 Meter Reading 4,707 0 (10) 47,105 0 171,165 Chemicals 171,165 0 (10) 47,105 0 151,165 Chemicals 171,165 0 (10) 65,583 0 151,165 Chemicals 171,165 0 0 0 55,583 0 Transportation 65,583 30,310 60,500 0 0 56,500 Chemical Septime Repulse 22,312,73 750,317 360,500 0 20,200 0 Salarias and Wages 223,895 (61,557) (61 27,698 0 22,798 0 20,207 0 20,207 0 0 20,508 0 20,208 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>								
Furchased Water and Sewer								
Maintenance Testing					2,091,985			
Meter Reading								
Chemicals								
Transportation	Chemicals					(27)		
Total Maintenance Expenses 2.814.723 790.317 3.665.040 0 3.605.040 Salaries and Wages 223,895 (3.616) (14) 220.279 0 220.279 Office Supplies & Other Office Exp 140.296 (1) (15) 140.295 0 140.295 Regulatory Commission Exp. 89.055 (61,877) (16) 27.698 0 220.279 Rent 88.22 0 (18) 88.22 0 28.28 Rent 88.22 0 (18) 88.22 0 88.28 Rent 88.23 0 (19) 100.059 0 100.059 Office Utilities 171.13 0 (20) 171.113 0 171.113 0 171.113 0 171.113 0 171.113 0 171.111 0 171.111 0 171.111 0 171.111 0 171.111 0 171.111 0 171.111 0 171.111 0 171.111 0 <td< td=""><td></td><td></td><td></td><td></td><td></td><td>0</td><td></td><td></td></td<>						0		
Salaries and Wages							_	
Office Supplies & Other Office Exp 140,296 (1) 15 140,295 (140,395) Regulatory Commission Exp. 89,055 (61,357) (16) 27,698 0 25,636 Pension & Other Benefits 244,150 21,219 (17) 265,369 0 265,369 Rent 882 2 (18) 882 0 882 Insurance 100,059 0 (19) 100,059 0 100,059 Office Utilities 171,113 0 171,113 0 171,113 0 171,113 0 171,113 0 171,113 0 0 93,301 0 20 0 </td <td></td> <td></td> <td></td> <td></td> <td>3,003,040</td> <td>0</td> <td>-</td> <td>3,605,040</td>					3,003,040	0	-	3,605,040
Regulatory Commission Exp. 890.55 (61.357) (16) 277.698 0 277.698 Pension & Other Benefits 244.150 21.219 (17) 2265.369 0 265.369 Rent 882 0 (18) 882 0 882 Insurance 100.059 0 (19) 100.059 0 100.059 Office Utilities 171.113 0 (20) 171.113 0 171.113 0 171.113 0								
Pension & Other Benefits 244,150 21,219 (17) 265,369 0 265,369 Rent 882 20 2828 0 882 1 882 0 2832 1 882 0 882 1 882 1 882 0 882 882 1 882 1 882 0 882 882 1 882 1 882 1 882 0 882 1 882 1 1 1 1 1 1 0 10 0								
Rent S82 0 (18) S82 0 S82	Pension & Other Benefits							
Office Utilities 171.113 0 (20) 171.113 0 100,009 Outside Services 93.301 0 (20) 93.301 0 93.301 Non-Utility Misc Income 0 0 0 93.201 0 93.201 Miscellaneous 1,093,688 (79.449) (22) 934.239 0 994.239 Depreciation 408.320 3,174 (23) 411,494 0 411,494 Amortization of CIAC (153.614) (11.888) (24) (165.072) 0 (165.072) Taxes Other Than Income 941,798 (386.060) (25) 555,738 7,120 (21) 550.88 Income Taxes - Federal 352.610 (283.317) (77) 69.293 262.266 (43) 38.098 Income Taxes - Federal 352.610 (35.29) 18.0 (35.29) 18.0 (36.529) 18.0 (36.529) 18.0 (37.46) (37.46) (37.46) (37.46) (37.46) (37.46) (37.46)			7					
Outside Services 93,301 0 (20) 133,301 0 (27) 33,301 0 (27								
Non-Utility Misc Income 0 0 (3.5694) (22 (24.757) 0 (23.757) Total General Expenses 1.073.688 (79.449) 994.239 0 994.239								
Miscellaneous	Non-Utility Misc Income			(21)				
Depreciation				(22)	(24,757)			
Amortization of CIAC (153.614) (11.458) (24) (165.072) 0 (165.072)	Total General Expenses	1,073,688	(79,449)		994,239	0	_	994,239
Taxes Other Than Income 941,798 (386,000) (23) (525) 555,788 7,120 (42) 562,858 Income Taxes - State 57,365 (39,998) (26) 17,367 (55,731 (43) 83,098 Income Taxes - State 57,365 (39,998) (26) 17,367 (55,731 (43) 83,098 Income Taxes - Federal 322,610 (283,317) (27) 60,293 262,666 (44) 331,559 (46) (47) (47) (47) (47) (47) (47) (47) (47				(23)	411,494	0		411,494
Income Taxes - State S7,365 39,998 25 17,367 65,731 (43) 830,98 Income Taxes - Federal 352,610 (283,317) (27) 69,293 262,266 (44) 331,539 Amortization of Excess ADIT Liability 0 (365,29) (865,29) 0 (365,29) (865								
Income Taxes - Federal 332,610 (283,317) (27) (69,293 262,266 (44) 331,559 Amortization of Excess ADIT Liability 0 (36,529) (B)								
Amortization of Excess ADIT Liability 0 (36,529) (B) (36,529) (B) 0 (36,529) (B) Sale of Utility Property (9,565) 9,565 (28) 0 0 0 0 Amort, Investment Tax Credit (3,746) 341 (29) (13,163) 0 (13,163) Amortization of PAA (13,504) 341 (29) (15,163) 0 (13,163) Total Other Expenses 1,579,664 (744,282) 835,382 335,117 1,170,499 Total Other Expenses 5,468,075 (33,414) 5,434,661 335,117 5,769,778 Net Operating Income (12,840) 538,023 525,183 1,023,150 1,548,333 Customer Growth 0 8,225 (30) 8,225 16,025 (45) 24,250 Interest During Construction (37,304) 37,304 (31) 0 0 0 0 Net Income (Loss) For Return 24,464 508,944 533,408 1,039,175 1,572,583 Original Cost Rate Base: 1 672,633								
Amort, Investment Tax Credit (3.746) ((36,529)			0	(44)	
Amortization of PAA (13.504) 341 (29) (13.163) 0 (13.163)				(28)				
Total Other Expenses				(29)		2		
Net Operating Income (12,840) 538,023 525,183 1,023,150 1,548,333	Total Other Expenses	1,579,664	-	(2)	-		-	
Customer Growth 0 8.225 (30) 8.225 16.025 (45) 24.250 (15) (1	Total Operating Expenses	5,468,075	(33,414)		5,434,661	-	_	902A42A900000000000000
Net Income (Loss) For Return 24,464 508,944 533,408 1,039,175 1,572,583	Net Operating Income	(12,840)	538,023		525,183		_	
Net Income (Loss) For Return 24,464 508,944 533,408 1,039,175 1,572,583	Customer Growth	0	8 225	(20)	9 225	16.025	_	24.250
Original Cost Rate Base: Sosial	Interest During Construction						(45)	
Gross Plant In Service 23,487,720 457,867 (32) 23,945,587 0 23,945,587 Accumulated Depreciation (4,854,113) 672,263 (33) (4,181,850) 0 (4,181,850) Net Plant In Service 18,633,607 1,130,130 19,763,737 0 19,763,737 Deferred Charges 0 0 0 0 0 0 Cash Working Capital 486,051 88,859 (34) 574,910 0 574,910 Contributions In Aid of Construction (8,705,515) (293,006) (35) (8,998,521) 0 (8,998,521) Accumulated Deferred Income Taxes (2,037,503) 924,175 (C) (11,13,328) 0 (1,113,328) Excess ADIT Liability - Protected 0 (845,326) (D) (845,326) 0 (845,326) Excess Tax Collection Liability 0 (247,078) (E) (247,078) 0 (247,078) Customer Deposits (96,794) 0 (96,794) 0 (639,510) 0 (639,510)<	Net Income (Loss) For Return	24,464	508,944	=	533,408	1,039,175	_	1,572,583
Accumulated Depreciation (4,854,113) 672,263 (32) (33) (4,181,850) 0 (4,181,850) Net Plant In Service 18,633,607 1,130,130 19,763,737 0 19,763,737 Deferred Charges 0 0 0 0 0 0 Cash Working Capital 486,051 88,859 (34) 574,910 0 574,910 Contributions In Aid of Construction (8,705,515) (293,006) (35) (8,998,521) 0 (8,998,521) Accumulated Deferred Income Taxes (2,037,503) 924,175 (C) (1,113,328) 0 (1,113,328) Excess ADIT Liability - Protected 0 (845,326) (D) (845,326) 0 (845,326) Excess Tax Collection Liability 0 (247,078) (E) (42,320) 0 (247,078) Customer Deposits (96,794) 0 (96,794) 0 (247,078) 0 (247,078) Advances in Aid of Construction 0 0 0 0 0 0	Original Cost Rate Base:	22 105 520						
Net Plant In Service 18,633,607 1,130,130 19,763,737 0 19,763,737 Deferred Charges 0 0 0 0 0 0 19,763,737 0 19,763,737 0 19,763,737 0 1,13,328 0 0 1,113,328 0 0 1,113,328 0 0 1,113,328 0 0 0 0 0 0 0 1,124,320 0 0								
Deferred Charges				(33) _				
Cash Working Capital 486,051 88,859 (34) 574,910 0 574,910 Contributions In Aid of Construction (8,705,515) (293,006) (35) (8,998,521) 0 (8,998,521) Accumulated Deferred Income Taxes (2,037,503) 924,175 (C) (1,113,328) 0 (1,113,328) Excess ADIT Liability - Protected 0 (845,326) (D) (845,326) 0 (845,326) Excess ADIT Liability - Unprotected 0 (42,320) (E) (42,320) 0 (42,320) Excess Tax Collection Liability 0 (247,078) (F) (247,078) 0 (247,078) Customer Deposits (96,794) 0 (96,794) 0 (96,794) 0 (96,794) Advances in Aid of Construction 0 0 0 0 0 0 Plant Acquisition Adjustment (639,510) 0 (36) (639,510) 0 (639,510) Total Rate Base 7,640,336 715,434 8,355,770 0 8,355,770 Return on Rate Base 0,32% 6,38% 18,82%	Deferred Charges							
Accumulated Deferred Income Taxes (2,037,503) 924,175 (C) (1,113,328) 0 (1,113,328) Excess ADIT Liability - Protected 0 (845,326) (D) (845,326) 0 (845,326) Excess ADIT Liability - Unprotected 0 (42,320) (E) (42,320) 0 (42,320) Excess Tax Collection Liability 0 (247,078) (F) (247,078) 0 (247,078) Customer Deposits (96,794) 0 (96,794) 0 (96,794) Advances in Aid of Construction 0 0 0 0 0 Plant Acquisition Adjustment (639,510) 0 (36) (639,510) 0 (639,510) Total Rate Base 7,640,336 715,434 8,355,770 0 8,355,770 Return on Rate Base 0,32% 6.38% 18.82% Operating Margin -8.44% 4.51% 17.87%				(34)		0		700.00000000000000000000000000000000000
Excess ADIT Liability - Protected 0 (845,326) (D) (845,326) 0 (845,326) Excess ADIT Liability - Unprotected 0 (42,320) (E) (42,320) 0 (42,320) Excess Tax Collection Liability 0 (247,078) (F) (247,078) 0 (247,078) Customer Deposits (96,794) 0 (96,794) 0 (96,794) Advances in Aid of Construction 0 0 0 0 0 Plant Acquisition Adjustment (639,510) 0 (639,510) 0 (639,510) Total Rate Base 7,640,336 715,434 8,355,770 0 8,355,770 Return on Rate Base 0,32% 6,38% 18,82% Operating Margin -8,44% 4,51% 17,87%						//		
Excess ADIT Liability - Unprotected 0 (42,320) (E) (42,320) 0 (42,320) Excess Tax Collection Liability 0 (247,078) (F) (247,078) 0 (247,078) Customer Deposits (96,794) 0 (96,794) 0 (96,794) 0 (96,794) 0 (96,794) 0 <	Excess ADIT Liability - Protected							
Excess Tax Collection Liability 0 (247,078) (F) (247,078) 0 (247,078) Customer Deposits (96,794) 0 (96,794) 0 (96,794) 0 (96,794) 0 (96,794) 0 (96,794) 0	Excess ADIT Liability - Unprotected							
Advances in Aid of Construction 0 <t< td=""><td></td><td></td><td>(247,078)</td><td></td><td>(247,078)</td><td>0</td><td></td><td>(247,078)</td></t<>			(247,078)		(247,078)	0		(247,078)
Plant Acquisition Adjustment (639,510) 0 (36) (639,510) 0 (639,510) Total Rate Base 7,640,336 715,434 8,355,770 0 8,355,770 Return on Rate Base 0.32% 6.38% 18.82% Operating Margin -8.44% 4.51% 17.87%								
Total Rate Base 7.640,336 715,434 8,355,770 0 8,355,770 Return on Rate Base 0.32% 6.38% 18.82% Operating Margin -8.44% 4.51% 17.87%				(36)			2000	
Operating Margin -8.44% 4.51% 17.87%	Total Rate Base	7,640,336	715,434	_	8,355,770	0		
Operating Margin -8.44% 4.51% 17.87%	Return on Rate Base	0.32%		-	6.38%			
Interest Expense 484,978 (220,469) (37) 264,509 0 264,509	Operating Margin	-8.44%			4.51%			
	Interest Expense	484,978	(220,469)	(37)	264,509	0		264,509

Carolina Water Service, Inc. Operating Experience, Rate Base and Rate of Return Water Service Territory 2 Docket No. 2017-292-WS Test Year Ended August 31, 2017

Operating Revenues	<u>Description</u>	(1) Application Per Books	(2) Accounting & Pro Forma Adjustments		(3) After Accounting & Pro Forma Present	(4) Proposed Increase		(5) After Proposed Increase
Service Revenues - Water Water Miscellarcons Revenues 87.878 20.98 11 14.998,079 10.18.207 333 0.015.408 10.08.112 1	Operating Revenues	\$	\$		\$	\$	-	
Miscellaneous Revenues	Service Revenues - Water	4,899,726	98,369	(1)	4,998,095	1.018.369	(20)	6.016.464
December Company Com					117,866			126,069
Total Operating Revenues								106,812
Maintenance Expenses Salaries and Wages 605.795 98.618 (5) 704.413 0 704.414 0 7	- manual recounts	(77,000)	(1,802)	(4)	(99,462)	(22,128)	(41) _	(121,590)
Salaries and Wages	Total Operating Revenues	4,890,004	233,307		5,123,311	1,004,444		6,127,755
Capitalized Time								
Purchased Power Purchased Power Purchased Power Purchased Water and Sewer Purchased Water and Se								704,413
Purchased Water and Sewer 993,349 91,377 85 789,686 789,086 789								
Maintenance and Repair Maintenance and Repair Maintenance Stressing Maintenance Stressing Maintenance Stressing Maintenance Stressing Maintenance Stressing Mathematical Mathe								
Meter Reading								434,441
Chemicals								91,976
Transportation 43,956 (218) (15) 43,738 (0) 44,745 (0) 43,738 (0) 44,745 (0)								
Operating Exp. Charged to Plant 0 0 0 0 0 1.57.778 2.191.743 0 2.191.743 Total Maintenance Expenses 1.975.778 215.965 2.191.743 0 2.191.743 Salaries and Wages 147.808 (5.357) (14) 142.451 0 142.451 Office Supplies & Other Office Exp 72.002 (40.00) (15) 67.998 0 67.998 Read Color Demotris 12.152 45.872 (17) 207.034 0 207.024 Rent 16.604 14 (18) 22.242 0 22.722 Rent 16.6064 0 (18) 22.242 0 22.722 Rent 16.6064 0 (20) 172.712 0 173.722 Office Utilities 172.712 0 (20) 172.712 0 177.752 Non-Utility Misc Income 0 0 (17.759) 0 117.759 Non-Utility Misc Income 1.924 (30.141) 732						100		
Salaries and Wages Office Supplies & Other Office Exp 72,002 (4,004) (15) 67,998 0 7,999 0 7,775 0 7,751 0 7,752 0 7,752 0 7,753 0				(15)	-			45,756
Office Supplies & Other Office Exp Regulatory Commission Exp. Regulatory Commission Exp. Regulatory Commission Exp. Regulatory Commission Exp. Rent 161.182 161.182 161.182 172.712 173.207.044 182.2222 18.207.054 182.2222 182.207.054 182.207.0	Total Maintenance Expenses	1,975,778	215,965		2,191,743	0	_	2,191,743
Regulatory Commission Exp. 61.841 (41,702) (16) 20,139 0 30,739 Pension & Other Benefits 161.182 45.872 (17) 2070,654 0 22,222 0 22,222 Rent 22,222 0 (18) 22,222 0 22,223 Insurance 66,064 0 (19) 66,064 0 66,064 Office Utilities 172,712 0 (20) 172,712 0 51,922 Non-Utility Misc Income 0 0 0 17,759 0 (17,759 Moscellanceus 7,191 (24,900) (22) 17,759 0 (17,759 Total General Expenses 762,944 (30,141) 732,803 0 732,803 Depreciation 381,084 22,272 (23) 40,356 0 40,356 Amortzation of CIAC 6,517 9,521 40,827 (20,902) (25) 899,256 52,56 (42,804) 90,521 Income Taxes - State				(14)				142,451
Pension & Other Benefits Rent 22,222 45,872 (17) 2070,54 0 2970,54 Rent 22,222 45,872 (17) 2070,54 0 2970,54 Rent 22,222 40 (18) 22,222 0 22,222 Insurance 66,064 0 (19) 66,064 0 66,064 Office Utilities 172,712 0 (20) 172,712 0 172,712 Outside Services 51,922 0 (21) 51,922 0 51,922 Non-Utility Misc Income 0 0 (20) 172,712 0 172,712 Outside Services 7,191 (24,950) (22 (17,759) 0 (17,759) Miscellanous 7,191 (24,950) (22 (17,759) 0 (17,759) Total General Expenses 762,944 (30,141) (22 (17,759) 0 (17,759) Total General Expenses 762,944 (30,141) (23 (17,82) 0 (17,89) 0 (17,759) Total General Expenses 762,944 (30,141) (24 (6,822) 0 (6,8								
Rent								
Insurance 66.064 0 (19) 66.064 0 66.064	Rent							
Ousside Services 51,922 0 171,775 0 171,775 171,755 0 171,775 0 0 0 0 0 0 0 0 0						1.70		
Non-Utility Misc Income 1.0								
Miscellaneous 7,191 (24,950) (217,759) 0 (17,759) Total General Expenses 762,944 (30,141) 732,803 0 722,803 Depreciation 381,084 22,272 (23) 403,356 0 403,356 Amoritzation of CIAC (6,917) 95 (24) (6,822) 0 (6,822) Income Taxes State 48,377 (26,902) (26) 21,475 47,991 (43) 69,466 Income Taxes - State Income Income Ixed Ixed Income Ixed Income Ixed Ixed Income Ixed Ixed Income Ixed Ixed Income Ixed Ixed Income				(21)	51,922			51,922
Total Content Septenses 762,944 (30,141) 732,803 0 732,803 0 732,803	Miscellaneous		Annual Control of the	(22)	(17,759)			(17.759)
Amortzation of CIAC (6,917) (6,917) (6,917) (24) (6,822) (7,979) (4) (4) (4) (7,168) (7,979) (8) (8) (8) (9,336) (8) (9,336) (8) (9,336) (8) (9,336) (8) (9,336) (8) (9,336) (8) (9,336) (9) (9,336) (1,365,153) (1,564	Total General Expenses	762,944	(30,141)	(22)			_	
Amortization of CIAC (6.917) 95 (24) (6.822) 0 (6.822) (6.822) 0 (6.822) (6.822) 1 (7.826) 1 (7.	Depreciation		22,272	(23)	403,356	0		403,356
Income Taxes - State 48.377 (26.902) (26) 21.475 47.991 (43) 69.466 (16.000 Taxes - Federal 285.967 (200.283) (27) 85.684 191.484 (44) 277.168 (42)				(24)		0		(6,822)
Income Taxes - Federal 285.967 (200.283) (27) 85.684 191.814 (44) 277.168 (43) 277.168 (44) 277.168 (45) 277.168								
Amortization of Excess ADIT Liability 0 (39,360) (B) (39,360) 0 (39,360) (Amort. Investment Tax Credit 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Income Taxes - Federal							
Amort, Investment Tax Credit Amortization of PAA 1.564 0 (29) 1.564 0 1.564 1.609,893 Total Other Expenses 1.299,991 65.162 1.365.153 244.740 1.609,893 Total Operating Expenses 4.038.713 250,986 4.289,699 244.740 4.534,439 Net Operating Income 851.291 (17.679) 833.612 759,704 1.593,316 Customer Growth 0 3.473 (30) 3.473 (30) 3.473 (30) 3.473 (30) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Amortization of Excess ADIT Liability		(39,360)				(44)	(39,360)
Amortization of PAA				(28)				
Total Other Expenses 1,299,991 65,162 1,365,153 244,740 1,609,893 Total Operating Expenses 4,038,713 250,986 4,289,699 244,740 4,534,439 Net Operating Income 851,291 (17,679) 833,612 759,704 1,593,316 Customer Growth 0	Amortization of PAA	75 A CONT.		(29)				
Contract	Total Other Expenses	1,299,991	65,162	/	1,365,153	244.740		
Net Operating Income 851,291 (17,679) 833,612 759,704 1,593,316 Customer Growth 0 0 3,473 (30) 3,473 3,165 (45) 6,638 (1,227) 1,227 (31) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total Operating Expenses	4 038 713				201-201-201-201-201-201-201-201-201-201-	· -	
Customer Growth		00000000					s 	
Net Income (Loss) For Return 852.518 (15.433) 837.085 762.869 1.599.954	200				_		_	1,593,316
Net Income (Loss) For Return 852.518 (15.433) 837.085 762.869 1.599.954	Interest During Construction					3,165	(45)	
Corest Plant In Service 21,172,722 345,700 (32) 21,518,422 0 21,518,422 0 21,518,422 0 21,518,422 0 21,518,422 0 21,518,422 0 21,518,422 0 21,518,422 0 21,518,422 0 21,518,422 0 21,518,422 0 21,518,422 0 21,518,422 0 21,518,422 0 21,518,422 0 2,979,118 0 0 0 0 0 0 0 0 0	Net Income (Loss) For Return	40.000Pp 109400Pp	100000000000000000000000000000000000000	(517)	837.085		_	
Cross Plant In Service		302,013	(13,133)		037,003	702,009	=	1,399,934
Accumulated Depreciation (2,943,316) (35,802) (33) (2,979,118) 0 (2,979,118) Net Plant In Service 18,229,406 309,898 18,539,304 0 18,539,304 Deferred Charges 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		21 172 722	245 700		21.518.422	0		
Net Plant In Service Deferred Charges 18,229,406 309,898 18,539,304 0 18,539,304 Deferred Charges 0	Accumulated Depreciation		(25,000)					
Deferred Charges	Net Plant In Service			(33)			-	
Contributions In Aid of Construction (340,937) (1,566) (35) (342,503) 0 (342,503) Accumulated Deferred Income Taxes (2,015,134) 761,699 (C) (1,253,435) 0 (1,253,435) Excess ADIT Liability - Protected 0 (667,907) (D) (667,907) 0 (667,907) Excess ADIT Liability - Unprotected 0 (54,432) (E) (54,432) 0 (54,432) Excess Tax Collection Liability 0 (213,624) (F) (213,624) 0 (213,624) Extens Tax Collection Liability 0 (213,624) (F) (213,624) 0 (90,218) Extens Tax Collection Liability 0 (213,624) (F) (213,624) 0 (90,218) Extens Tax Collection Liability 0 (36) (313,612) 0 (90,218) Extens Tax Collection Liability 0 (36) (36) (36) (36) (36) (36) (36) (36)	Deferred Charges		0		0			0
Accumulated Deferred Income Taxes (2,015,134) 761,699 (C) (1,253,435) 0 (1,253,435) Excess ADIT Liability - Protected 0 (667,907) (D) (667,907) 0 (667,907) Excess ADIT Liability - Unprotected 0 (54,432) (E) (54,432) 0 (54,432) Excess Tax Collection Liability 0 (213,624) (F) (213,624) 0 (213,624) Excess Tax Collection Liability 0 (213,624) (F) (213,624) 0 (213,624) Excess Tax Collection Liability 0 (213,624) (F) (213,624) 0 (213,624) Excess Tax Collection Liability 0 (213,624) (F) (213,624) 0 (213,624) Excess Tax Collection Liability 0 (213,624) (F) (213,624) 0 (213,624) Excess Tax Collection Liability 0 (213,624) (F) (213,624) 0 (213,624) Excess Tax Collection Liability 0 (213,624) (F) (213,624) 0 (213,624) Excess Tax Collection Liability 0 (213,624) (F) (213,624) 0 (213,624) Excess Tax Collection Liability 0 (213,624) (F) (213,624) 0 (213,624) Excess Tax Collection Liability 0 (213,624) (F) (213,624) 0 (213,624) Excess Tax Collection Liability 0 (213,624) (F) (213,624) 0 (213,624) Excess Tax Collection Liability 0 (213,624) (F) (213,624) 0 (213,624) Excess Tax Collection Liability 0 (213,624) (F) (213,624) 0 (213,624) Excess Tax Collection Liability 0 (213,624) (F) (213,624) 0 (213,624) Excess Tax Collection Liability 0 (213,624) (F) (213,624) 0 (213,624) Excess Tax Collection Liability 0 (213,624) (F) (213,624) (F) (213,624) (F) (213,624) (F) (213,624) (F) (713,624) (F) (F) (F) (F) (F) (F) (F) (F) (F) (F			11 500					
Content Cont	Accumulated Deferred Income Taxes							
Excess ADIT Liability - Unprotected 0 (54,432) (E) (54,432) (Dispersion of the protected of the protec	Excess ADIT Liability - Protected					7		
Customer Deposits (90,218) 0 (90,218) 0 (90,218) 0 (90,218) 0 (90,218) 0 (90,218) 0 (90,218) 0 (90,218) 0 (90,218) 0 (90,218) 0 131,612) 0 (131,612) 0 16,151,141 0 16,151,141 0 16,151,141 0 16,151,141 0 9,91% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 15,151,141 0					(54,432)	0		
Advances in Aid of Construction 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				(F)				(213,624)
Plant Acquisition Adjustment (131,612) 0 (36) (131,612) 0 (131,612) Cotal Rate Base 15,993,845 157,296 16,151,141 0 16,151,141 Return on Rate Base 5.33% 5.18% 9,91% Operating Margin 6.95% 6.36% 17,77%	Advances in Aid of Construction							
Return on Rate Base 5.33% 5.18% 9.91% Operating Margin 6.95% 6.36% 17.77%	Plant Acquisition Adjustment			(36)	**************************************		_	
Deerating Margin 6.95% 6.36% 17.77%	Total Rate Base	15,993,845	157,296		16,151,141	0	_	16,151,141
Operating Margin 6.95% 6.36% 17.77%	Return on Rate Base	5.33%		=	5.18%			9.91%
<u>nterest Expense</u> <u>512,661</u> <u>(1,383)</u> (37) <u>511,278</u> 0 <u>511,278</u>	Operating Margin	6.95%			6.36%			
	Interest Expense	512,661	(1,383)	(37)	511,278	0_		511,278

Carolina Water Service, Inc. Operating Experience, Rate Base and Rate of Return Sewer Service Territory 1 and 2 Docket No. 2017-292-WS Test Year Ended August 31, 2017

Description	(1) Application Per	(2) Accounting & Pro Forma		(3) After Accounting & Pro Forma	(4) Proposed		(5) After Proposed
Description	Books \$	Adjustments \$		Present S	Increase \$		Increase \$
Operating Revenues Service Revenues - Sewer	10 602 605	(1.660.050)		37	Ψ'		
Miscellaneous Revenues	10,602,605 309,010	(1,660,950) (46,450)	(2) (3)	8,941,655 262,560	2,292,098 21,694	(39) (40)	11,233,753 284,254
Amortization of Excess Tax Collection	0	192,124	(A)	192,124	0		192,124
Uncollectible Accounts	(137,215)	21,868	(4)	(115,347)	(7,700)	- (41) -	(123,047)
Total Operating Revenues	10,774,400	(1,493,408)		9,280,992	2,306,092		11,587,084
Maintenance Expenses							
Salaries and Wages	1,225,212	(112,294)	(5)	1,112,918	0		1,112,918
Capitalized Time Purchased Power	(251,855) 622,678	21,821 (75,032)	(6)	(230,034) 547,646	0		(230,034)
Purchased Water and Sewer	1,030,187	(40)	(7) (8)	1,030,147	0		547,646 1,030,147
Maintenance and Repair Maintenance Testing	1,600,678	(231,608)	(9)	1,369,070	0		1,369,070
Meter Reading	126,369 38,408	(8,831) (25)	(10) (11)	117,538 38,383	0		117,538 38,383
Chemicals	271,166	(87,780)	(12)	183,386	0		183,386
Transportation Operating Exp. Charged to Plant	96,751 0	(509) 0	(13)	96,242 0	0		96,242
Total Maintenance Expenses	4,759,594	(494,298)		4,265,296	0	_	4,265,296
Salaries and Wages	328,577	(63,847)	(14)	264,730	0	_	264,730
Office Supplies & Other Office Exp	204,394	(108,580)	(14)	95,814	0		95,814
Regulatory Commission Exp. Pension & Other Benefits	167,249 358,293	(126,308) (11,458)	(16)	40,941	0		40,941
Rent	2,476	(178)	(17) (18)	346,835 2,298	0		346,835 2,298
Insurance Office Utilities	146,840	(20,955)	(19)	125,885	0		125,885
Outside Services	256,165 135,811	(59,574) (8,435)	(20) (21)	196,591 127,376	0		196,591 127,376
Non-Utility Misc Income	0	0	(21)	-	ő		127,570
Miscellaneous Total General Expenses	16,045 1,615,850	(54,037)	(22)	(37,992)	0	_	(37,992)
		(433,372)		1,162,478	0	_	1,162,478
Depreciation Amortization of CIAC	928,110 (255,824)	(108,525) 21,868	(23)	819,585	0		819,585
Taxes Other Than Income	1,387,717	186,525	(24) (25)	(233,956) 1,574,242	12,088	(42)	(233,956) 1,586,330
Income Taxes - State Income Taxes - Federal	71,991	(29,602)	(26)	42,389	111,648	(43)	154,037
Amortization of Excess ADIT Liability	436,114	(266,983) (61,035)	(27) (B)	169,131 (61,035)	445,477 0	(44)	614,608 (61,035)
Sale of Utility Property	(14,044)	14,044	(28)	0	0		0
Amort. Investment Tax Credit Amortization of PAA	(5,107) (5,189)	0 1,415	(29)	(5,107) (3,774)	0		(5,107) (3,774)
500 Sept. (1990) 1990 Sept. (1	5-10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	Annual Control of	(29)			-	(3,774)
Total Other Expenses	2,543,768	(242,293)	,	2,301,475	569,213	-	2,870,688
Total Operating Expenses	8,919,212	(1,189,963)		7,729,249	569,213	_	8,298,462
Net Operating Income	1,855,188	(303,445)		1,551,743	1,736,879		3,288,622
Customer Growth Interest During Construction	(51.077)	17,105		17,105	19,145	(45)	36,250
interest During Construction	(51,077)	51,077	(31)	0	0	9 =	0
Net Income (Loss) For Return	1,906,265	(337,417)		1,568,848	1,756,024	_	3,324,872
Original Cost Rate Base:							
Gross Plant In Service Accumulated Depreciation	56,785,591	2 212 160	(32)	49,707,178	0		49,707,178
Net Plant In Service	(8,141,111) 48,644,480	2,313,160 (4,765,253)	(33)	(5,827,951)	0		(5,827,951)
Deferred Charges	0	0		0	Ö		0
Cash Working Capital Contributions In Aid of Construction	796,931 (12,616,347)		(34) (35)	678,472 (11,589,100)	0		678,472 (11,589,100)
Accumulated Deferred Income Taxes	(3,486,834)	1,544,035	(C)	(1,942,799)	0		(1,942,799)
Excess ADIT Liability - Protected Excess ADIT Liability - Unprotected	0	(1,412,286) (70,714)	(D)	(1,412,286) (70,714)	0		(1,412,286)
Excess Tax Collection Liability	0	(384,248)	(E) (F)	(384,248)	0		(70,714) (384,248)
Customer Deposits Advances in Aid of Construction	(149,510) 0	0		(149,510)	0		(149,510)
Plant Acquisition Adjustment	(121,504)	20 -11	(36)	0 (88,963)	0		(88,963)
Total Rate Base	33,067,216	(4,147,137)		28,920,079	0		28,920,079
Return on Rate Base	5.76%		1.5	5.42%		_	11.50%
Operating Margin	10.69%			7.04%		_	20.79%
Interest Expense	754,572	160,918	(37)	915,490	0		915,490
			(5/) =			_	713,770

Des	cription	\$ Combined Operations	\$ Water Terr. 1 Operations	\$ Water Terr. 2 Operations	\$ Sewer Operations
Acc	ounting and Pro Forma Adjustments				
	Operating Revenues				
(1)	Service Revenues - Water				
	To adjust water service revenues to reflect test year customer billings.				
	Per ORS	445,276	346,907	98,369	0
	Per CWS	173,476	149,827	23,649	0
(2)	Service Revenues - Sewer				
	To adjust sewer service revenues to reflect test year customer billings.				
	Per ORS	(1,660,950)	0	0	(1,660,950)
	Per CWS	(1,692,502)	0	0	(1,692,502)
(3)	Miscellaneous Revenues				
	To adjust miscellaneous revenues for the test year.				
	Per ORS	22,313	38,775	29,988	(46,450)
	Per CWS	(17,433)	0	0	(17,433)
(A)	Amortization of Excess Tax Collection				
	To adjust revenue for the amortization of the excess tax collection liability created as a result of the Tax Cut and Jobs Act.				
	Per ORS	422,475	123,539	106,812	192,124
	Per CWS	0	0	0	0
(4)	Uncollectible Accounts				
	To adjust uncollectible accounts to reflect accounting and proforma adjustments to service revenues.				
	Per ORS	15,394	(4,612)	(1,862)	21,868
	Per CWS	15,498	(2,078)	(466)	18,042
	Maintenance Expenses				
(5)	Salaries & Wages				
	To annualize operators' salaries for the test year and account for the removal of the I-20 sewer system.				
	Per ORS	134,298	147,974	98,618	(112,294)
	Per CWS	67,880	68,588	51,935	(52,643)

Desc	ription	\$ Combined Operations	\$ Water Terr. 1 Operations	\$ Water Terr. 2 Operations	\$ Sewer Operations
(6)	Capitalized Time				
	To adjust capitalized time based on pro-forma salaries and account for the removal of the I-20 sewer system.				
	Per ORS	(15,911)	(22,727)	(15,005)	21,821
	Per CWS	(4,788)	(9,560)	(7,077)	11,849
(7)	Purchased Power				
	To adjust purchased power for removal of I-20 facility.				
	Per ORS	(75,032)	0	0	(75,032)
	Per CWS	(75,032)	0	0	(75,032)
(8)	Purchased Water and Sewer				
	To adjust purchased water & sewer expense to reflect a going forward expense level.				
	Per ORS	598,804	507,467	91,377	(40)
	Per CWS	587,002	484,280	102,762	(40)
(9)	Maintenance and Repair				
(9a)	To increase maintenance and repair for deferred maintenance.				
	Per ORS	(13)	4,696	3,404	(8,113)
	Per CWS	8,100	4,696	3,404	0
(9b)	To remove expenses associated with I-20 facility.				
	Per ORS	(116,131)	0	0	(116,131)
	Per CWS	(116,131)	0	0	(116,131)
(9c)	To increase maintenance and repair for deferred purchased water expenses.				
	Per ORS	191,034	153,245	37,789	0
	Per CWS	230,386	186,306	44,080	0
(9d)	To decrease maintenance and repair to normalize abnormal sludge hauling expense due to consent orders with DHEC.				
	Per ORS	(96,892)	0	0	(96,892)
	Per CWS	0	0	0	0

Desc	ription	\$ Combined Operations	\$ Water Terr. 1 Operations	\$ Water Terr. 2 Operations	\$ Sewer Operations
(9e)	To decrease maintenance and repair for reclassifying certain expenses to rate base.				
	Per ORS	(10,472)	0	0	(10,472)
	Per CWS	0	0	0	0
(9)	Total Maintenance and Repair Per ORS	(32,474)	157,941	41,193	(231,608)
	Total Maintenance and Repair Per CWS	122,355	191,002	47,484	(116,131)
(10)	Maintenance Testing				
	To remove expenses associated with I-20 facility.				
	Per ORS	(8,831)	0	0	(8,831)
	Per CWS	(8,831)	0	0	(8,831)
(11)	Meter Reading				
	To remove expenses associated with I-20 facility.				
	Per ORS	(25)	0	0	(25)
	Per CWS	(25)	0	0	(25)
(12)	Chemicals				
	To remove expenses associated with I-20 facility.				
	Per ORS	(87,780)	0	0	(87,780)
	Per CWS	(87,780)	0	0	(87,780)
(13)	Transportation				
(13a)	To remove expenses associated with I-20 facility.				
	Per ORS	(26)	0	0	(26)
	Per CWS	(26)	0	0	(26)
(13b)	To remove expenses associated with sale of utility property.				
	Per ORS	(1,039)	(338)	(218)	(483)
	Per CWS	0	0	0	0
(13)	Total Transportation Per ORS	(1,065)	(338)	(218)	(509)
	Total Transportation Per CWS	(26)	0	0	(26)

Desc	ription	\$ Combined Operations	\$ Water Terr. 1 Operations	\$ Water Terr. 2 Operations	\$ Sewer Operations
	General Expenses				
(14)	Salaries & Wages				
	To annualize office salaries for the test year.				
	Per ORS	(72,820)	(3,616)	(5,357)	(63,847)
	Per CWS	(34,819)	(7,503)	(7,871)	(19,445)
(15)	Office Supplies & Other Office Expense				
(15a)	To remove nonrecoverable items.				
	Per ORS	(95,241)	(1)	(4,004)	(91,236)
	Per CWS	(95,241)	(1)	(4,004)	(91,236)
(15b)	To remove expenses associated with 1-20 facility.				
	Per ORS	(17,344)	0	0	(17,344)
	Per CWS	(17,344)	0	0	(17,344)
(15)	Total Office Supplies & Other Office Expense Per ORS	(112,585)	(1)	(4,004)	(108,580)
	Total Office Supplies & Other Office Expense Per CWS	(112,585)	(1)	(4,004)	(108,580)
(16)	Regulatory Commission Expense				
	To amortize current and unamortized prior rate case expenses over a three-year period.				
	Per ORS	(229,367)	(61,357)	(41,702)	(126,308)
	Per CWS	(133,357)	(31,154)	(33,388)	(68,815)
(17)	Pension & Other Benefits				
	To annualize pension and other benefits associated with proforma salaries.				
	Per ORS	55,633	21,219	45,872	(11,458)
	Per CWS	81,636	22,950	50,302	8,384
(18)	Rent				
	To remove expenses associated with I-20 facility.				
	Per ORS	(178)	0	0	· (178)
	Per CWS	(178)	0	0	(178)
(19)	Insurance				
	To remove expenses associated with I-20 facility.				
	Per ORS	(20,955)	0	0	(20,955)
	Per CWS	(20,955)	0	0	(20,955)

Desc	ription	\$ Combined Operations	\$ Water Terr. 1 Operations	\$ Water Terr. 2 Operations	\$ Sewer Operations
(20)	Office Utilities				
	To remove expenses associated with I-20 facility.				
	Per ORS	(59,574)	0	0	(59,574)
	Per CWS	(59,574)	0	0	(59,574)
(21)	Outside Services				
	To remove expenses associated with I-20 facility.				
	Per ORS	(8,435)	0	0	(8,435)
	Per CWS	(8,435)	0	0	(8,435)
(22)	Miscellaneous				
(22a)	To remove expenses associated with I-20 facility.				
	Per ORS	(844)	0	0	(844)
	Per CWS	(844)	0	0	(844)
(22b)	To remove additional non-allowable expenses identified by ORS.				
	Per ORS	(113,837)	(35,694)	(24,950)	(53,193)
	Per CWS	0	0	0	0
(22)	Total Miscellaneous Per ORS	(114,681)	(35,694)	(24,950)	(54,037)
	Total Miscellaneous Per CWS	(844)	0	0	(844)
(23)	Depreciation Expense				
	To annualize depreciation expense for known and measurable plant in service including extraordinary retirements. See Audit Exhibit ZJP-6.				
	Per ORS	(83,079)	3,174	22,272	(108,525)
	Per CWS	(73,958)	18,316	(18,873)	(73,401)
(24)	Amortization of Contributions in Aid of Construction (CIAC)				
	To annualize the amortization of CIAC expense. See Audit Exhibit ZJP-6.				
	Per ORS	10,505	(11,458)	95	21,868
	Per CWS	14,935	(12,020)	86	26,869
(25)	Taxes Other Than Income				
(25a)	To adjust payroll taxes associated with adjusted salaries.				
	Per ORS	28,888	10,117	16,723	2,048
	Per CWS	32,858	5,106	13,879	13,873

Desc	cription	\$ Combined Operations	\$ Water Terr. 1 Operations	\$ Water Terr. 2 Operations	\$ Sewer Operations
	To adjust gross receipts and utility/commission taxes after the accounting and pro forma adjustments using a factor of .00524169.		- С региноль	Operations	_ operations
	Per ORS	26,002	8,414	6,316	11,272
	Per CWS	(8,198)	809	128	(9,135)
(25c)	To adjust for pro-forma property taxes.				
	Per ORS	286,173	(404,591)	280,587	410,177
	Per CWS	25,627	64,475	32,709	(71,557)
(25d	To remove other taxes associated with I-20 facility.				
	Per ORS	(236,972)	0	0	(236,972)
	Per CWS	0	0	0	0
(25)	Total Taxes Other Than Income Per ORS	104,091	(386,060)	303,626	186,525
	Total Taxes Other Than Income Per CWS	50,287	70,390	46,716	(66,819)
(26)	Income Taxes - State				
	To adjust state income taxes after accounting and pro forma adjustments. See Audit Exhibit ZJP-7.				
	Per ORS	(96,502)	(39,998)	(26,902)	(29,602)
	Per CWS	(160,063)	(84,035)	(25,332)	(50,696)
(27)	Income Taxes - Federal				
	To adjust federal income taxes after accounting and pro forma adjustments. See Audit Exhibit ZJP-7.				
	Per ORS	(750,583)	(283,317)	(200,283)	(266,983)
	Per CWS	(957,190)	(529,970)	(132,717)	(294,503)
(B)	Amortization of Excess ADIT Liability				
	To adjust for the amortization of the excess ADIT liability.				
	Per ORS	(136,924)	(36,529)	(39,360)	(61,035)
	Per CWS	0	0	0	0
(28)	Sale of Utility Property				
	To reflect the removal of sale of utility property for ratemaking purposes.				
	Per ORS	29,323	9,565	5,714	14,044
	Per CWS	29,323	9,565	5,714	14,044

Desc	ription	\$ Combined Operations	\$ Water Terr. 1 Operations	\$ Water Terr. 2 Operations	\$ Sewer Operations
(29)	Amortization of Plant Acquisition Adjustment ("PAA")				
	To adjust the amortization of the PAA.				
	Per ORS	1,756	341	0	1,415
	Per CWS	341	341	0	0
(30)	Customer Growth				
	To adjust for customer growth after the accounting and pro forma adjustments. The growth factors of 1.5662% for water territory 1, 0.4166% for water territory 2, and 1.1023% for sewer were computed by the Utility Rates Department.				
	Per ORS	28,803	8,225	3,473	17,105
	Per CWS	0	0	0	0
(31)	Interest During Construction ("IDC")				
	To eliminate IDC for rate making purposes.				
	Per ORS	89,608	37,304	1,227	51,077
	Per CWS	89,608	37,304	1,227	51,077
(32)	Gross Plant in Service				
(32a)	To adjust plant in service for changes in allocations and service lives of vehicles and computers.				
	Per ORS	(84,429)	86,378	111,346	(282,153)
	Per CWS	0	(24,798)	45,267	(20,469)
(32b)	To adjust for excess book value per prior Commission orders.				
	Per ORS	(1,937,905)	(930,194)	0	(1,007,711)
	Per CWS	(493,722)	(208,836)	0	(284,886)
(32c)	To adjust for pro-forma general ledger additions, pro-forma plant, and pro-forma retirements.				
	Per ORS	2,922,554	1,301,683	234,354	1,386,517
	Per CWS	2,742,356	965,253	229,046	1,548,057
(32d)	To adjust for the removal of DHEC consent order consulting.				
	Per ORS	(306,552)	0	0	(306,552)
	Per CWS	0	0	0	0

	Desc	ription	\$ Combined Operations	\$ Water Terr. 1 Operations	\$ Water Terr. 2 Operations	\$ Sewer Operations
Per CWS						
1,078,114 1,07		Per ORS	(6,868,514)	0	0	(6,868,514)
Total Gross Plant in Service Per CWS		Per CWS	(6,868,514)	0	0	(6,868,514)
(33) Accumulated Depreciation (33a) To adjust accumulated depreciation for current depreciation, vehicles, computers, and prior rate case adjustments. Per ORS 453,963 (8,158) (35,802) 497,923 Per CWS 245,171 135,339 (99,028) 208,860 (33b) To adjust accumulated depreciation for excess book value. Per ORS 1,417,544 680,421 0 737,123 Per CWS 0 0 0 0 0 0 0 0 (33c) To adjust accumulated depreciation for removal of I-20 facility. Per ORS 1,078,114 0 0 0 1,078,114 Per CWS 1,323,285 135,339 (99,028) 2,313,160 Total Accumulated Depreciation Per CWS 1,323,285 135,339 (99,028) 1,286,974 340 Cash Working Capital To adjust cash working capital after accounting and pro forma adjustments. See Audit Exhibit ZIP-8. Per CWS 38,644 89,825 25,018 (76,179) To adjust CIAC to reflect the amortization of CIAC expense, pro-forma CIAC additions, and the removal of I-20 CIAC. See Audit Exhibit ZIP-6. Per ORS 732,675 (293,006) (1,566) 1,027,247 Per CWS 1,377,162 5,128 30 1,337,004 CC Accumulated Deferred Income Tax ("ADIT") To adjust ADIT for the creation of an excess ADIT liability resulting from lower federal tax rates. Per ORS 3,229,909 924,175 761,699 1,544,035	(32)	Total Gross Plant in Service Per ORS	(6,274,846)	457,867	345,700	(7,078,413)
A commutated Depreciation for current depreciation, vehicles, computers, and prior rate case adjustments. Per ORS		Total Gross Plant in Service Per CWS	(4,619,880)	731,619	274,313	(5,625,812)
vehicles, computers, and prior rate case adjustments. Per ORS 453,963 (8.158) (35,802) 497,923 Per CWS 245,171 135,339 (99,028) 208,860 (33b) To adjust accumulated depreciation for excess book value. Per ORS 1,417,544 680,421 0 737,123 Per CWS 0 0 0 0 0 (33c) To adjust accumulated depreciation for removal of 1-20 facility. Per ORS 1,078,114 0 0 1,078,114 Per CWS 1,078,114 0 0 1,078,114 Per CWS 1,078,114 0 0 1,078,114 Per CWS 1,078,114 0 0 1,078,114 Quality CAL 1,078,114 0 0 1,078,114 Actional Accumulated Depreciation Per ORS 1,323,285 135,339 (99,028) 1,286,974 Actional Call Call Capital To adjust cash working capital after accounting and pro forma adjustments. See Audit Exhibit ZIP-8. 88,859 23,228 (118,459) Per CWS 3,8,644 89,825	(33)	Accumulated Depreciation				
Per CWS 245,171 135,339 (99,028) 208,860 (33b) To adjust accumulated depreciation for excess book value. Per ORS 1,417,544 680,421 0 737,123 Per CWS 0 0 0 0 0 0 0 0 0 (33e) To adjust accumulated depreciation for removal of 1-20 facility. Per ORS 1,078,114 0 0 0 1,078,114 Per CWS 1,078,114 0 0 0 1,078,114 0 0 0 1,078,114 O 0 0 0 1,078,114	(33a)					
Per ORS		Per ORS	453,963	(8,158)	(35,802)	497,923
Per ORS		Per CWS	245,171	135,339	(99,028)	208,860
Per CWS	(33b	To adjust accumulated depreciation for excess book value.				
1,078,114 0 0 1,078,114 Per ORS 1,078,114 0 0 0 1,078,114 Per CWS 1,078,114 0 0 0 1,078,114 O O O O O O O O O		Per ORS	1,417,544	680,421	0	737,123
Per ORS		Per CWS	0	0	0	0
Per CWS	(33c)	To adjust accumulated depreciation for removal of I-20 facility.				
Total Accumulated Depreciation Per ORS 2,949,621 672,263 (35,802) 2,313,160 Total Accumulated Depreciation Per CWS 1,323,285 135,339 (99,028) 1,286,974 (34) Cash Working Capital To adjust cash working capital after accounting and pro forma adjustments. See Audit Exhibit ZJP-8. Per ORS (6,372) 88,859 23,228 (118,459) Per CWS 38,664 89,825 25,018 (76,179) To adjust CIAC to reflect the amortization of CIAC expense, pro-forma CIAC additions, and the removal of I-20 CIAC. See Audit Exhibit ZJP-6. Per ORS 732,675 (293,006) (1,566) 1,027,247 Per CWS 1,377,162 5,128 30 1,372,004 CO Accumulated Deferred Income Tax ("ADIT") To adjust ADIT for the creation of an excess ADIT liability resulting from lower federal tax rates. Per ORS 3,229,909 924,175 761,699 1,544,035 Total Accumulated Deferred Income Tax ("ADIT") To adjust ADIT for the creation of an excess ADIT liability resulting from lower federal tax rates.		Per ORS	1,078,114	0	0	1,078,114
Total Accumulated Depreciation Per CWS 1,323,285 135,339 (99,028) 1,286,974 (34) Cash Working Capital To adjust cash working capital after accounting and pro forma adjustments. See Audit Exhibit ZJP-8. Per ORS (6,372) 88,859 23,228 (118,459) Per CWS 38,664 89,825 25,018 (76,179) (35) Contributions in Aid of Construction ("CIAC") To adjust CIAC to reflect the amortization of CIAC expense, pro-forma CIAC additions, and the removal of 1-20 CIAC. See Audit Exhibit ZJP-6. Per ORS 732,675 (293,006) (1,566) 1,027,247 Per CWS 1,377,162 5,128 30 1,372,004 (C) Accumulated Deferred Income Tax ("ADIT") To adjust ADIT for the creation of an excess ADIT liability resulting from lower federal tax rates. Per ORS 3,229,909 924,175 761,699 1,544,035		Per CWS	1,078,114	0	0	1,078,114
(34) Cash Working Capital To adjust cash working capital after accounting and pro forma adjustments. See Audit Exhibit ZJP-8. Per ORS (6,372) 88.859 23,228 (118,459) Per CWS 38,664 89,825 25,018 (76,179) To adjust CIAC to reflect the amortization of CIAC expense, pro-forma CIAC additions, and the removal of I-20 CIAC. See Audit Exhibit ZJP-6. Per ORS 732,675 (293,006) (1,566) 1,027,247 Per CWS 1,377,162 5,128 30 1,372,004 (C) Accumulated Deferred Income Tax ("ADIT") To adjust ADIT for the creation of an excess ADIT liability resulting from lower federal tax rates. Per ORS 3,229,909 924,175 761,699 1,544,035	(33)	Total Accumulated Depreciation Per ORS	2,949,621	672,263	(35,802)	2,313,160
To adjust cash working capital after accounting and pro forma adjustments. See Audit Exhibit ZJP-8. Per ORS (6.372) 88.859 23.228 (118,459) Per CWS 38.664 89.825 25.018 (76,179) (35) Contributions in Aid of Construction ("CIAC") To adjust CIAC to reflect the amortization of CIAC expense, pro-forma CIAC additions, and the removal of I-20 CIAC. See Audit Exhibit ZJP-6. Per ORS 732.675 (293,006) (1,566) 1,027,247 Per CWS 1,377,162 5,128 30 1,372,004 (C) Accumulated Deferred Income Tax ("ADIT") To adjust ADIT for the creation of an excess ADIT liability resulting from lower federal tax rates. Per ORS 3,229,909 924,175 761,699 1,544,035		Total Accumulated Depreciation Per CWS	1,323,285	135,339	(99,028)	1,286,974
adjustments. See Audit Exhibit ZJP-8. Per ORS (6,372) 88,859 23,228 (118,459) Per CWS 38,664 89,825 25,018 (76,179) (35) Contributions in Aid of Construction ("CIAC") To adjust CIAC to reflect the amortization of CIAC expense, pro-forma CIAC additions, and the removal of I-20 CIAC. See Audit Exhibit ZJP-6. Per ORS 732,675 (293,006) (1,566) 1,027,247 Per CWS 1,377,162 5,128 30 1,372,004 (C) Accumulated Deferred Income Tax ("ADIT") To adjust ADIT for the creation of an excess ADIT liability resulting from lower federal tax rates. Per ORS 3,229,909 924,175 761,699 1,544,035	(34)	Cash Working Capital				
Per CWS 38,664 89,825 25,018 (76,179) (35) Contributions in Aid of Construction ("CIAC") To adjust CIAC to reflect the amortization of CIAC expense, pro-forma CIAC additions, and the removal of I-20 CIAC. See Audit Exhibit ZJP-6. Per ORS 732,675 (293,006) (1,566) 1,027,247 Per CWS 1,377,162 5,128 30 1,372,004 (C) Accumulated Deferred Income Tax ("ADIT") To adjust ADIT for the creation of an excess ADIT liability resulting from lower federal tax rates. Per ORS 3,229,909 924,175 761,699 1,544,035						
(35) Contributions in Aid of Construction ("CIAC") To adjust CIAC to reflect the amortization of CIAC expense, pro-forma CIAC additions, and the removal of I-20 CIAC. See Audit Exhibit ZJP-6. Per ORS Per CWS 1,377,162 5,128 30 1,372,004 (C) Accumulated Deferred Income Tax ("ADIT") To adjust ADIT for the creation of an excess ADIT liability resulting from lower federal tax rates. Per ORS 3,229,909 924,175 761,699 1,544,035		Per ORS	(6,372)	88,859	23,228	(118,459)
To adjust CIAC to reflect the amortization of CIAC expense, pro-forma CIAC additions, and the removal of I-20 CIAC. See Audit Exhibit ZJP-6. Per ORS Per CWS 1,377,162 5,128 30 1,372,004 CO Accumulated Deferred Income Tax ("ADIT") To adjust ADIT for the creation of an excess ADIT liability resulting from lower federal tax rates. Per ORS 3,229,909 924,175 761,699 1,544,035		Per CWS	38,664	89,825	25,018	(76,179)
pro-forma CIAC additions, and the removal of I-20 CIAC. See Audit Exhibit ZJP-6. Per ORS 732,675 (293,006) (1,566) 1,027,247 Per CWS 1,377,162 5,128 30 1,372,004 (C) Accumulated Deferred Income Tax ("ADIT") To adjust ADIT for the creation of an excess ADIT liability resulting from lower federal tax rates. Per ORS 3,229,909 924,175 761,699 1,544,035	(35)	Contributions in Aid of Construction ("CIAC")				
Per CWS 1,377,162 5,128 30 1,372,004 (C) Accumulated Deferred Income Tax ("ADIT") To adjust ADIT for the creation of an excess ADIT liability resulting from lower federal tax rates. Per ORS 3,229,909 924,175 761,699 1,544,035		pro-forma CIAC additions, and the removal of I-20 CIAC. See				
(C) Accumulated Deferred Income Tax ("ADIT") To adjust ADIT for the creation of an excess ADIT liability resulting from lower federal tax rates. Per ORS 3,229,909 924,175 761,699 1,544,035		Per ORS	732,675	(293,006)	(1,566)	1,027,247
To adjust ADIT for the creation of an excess ADIT liability resulting from lower federal tax rates. Per ORS 3,229,909 924,175 761,699 1,544,035		Per CWS	1,377,162	5,128	30	1,372,004
resulting from lower federal tax rates. Per ORS 3,229,909 924,175 761,699 1,544,035	(C)	Accumulated Deferred Income Tax ("ADIT")				
Per CWS 0 0 0 0		Per ORS	3,229,909	924,175	761,699	1,544,035
		Per CWS	0	0	0	0

Desc	ription	\$ Combined Operations	\$ Water Terr. 1 Operations	\$ Water Terr. 2 Operations	\$ Sewer Operations
(D)	Excess ADIT Liability - Protected				
	To adjust rate base for the creation of an excess ADIT liability for protected assets resulting from lower federal tax rates.				
	Per ORS	(2,925,519)	(845,326)	(667,907)	(1,412,286)
	Per CWS	0	0	0	0
(E)	Excess ADIT Liability - Unprotected				
	To adjust rate base for the creation of an excess ADIT liability for unprotected assets resulting from lower federal tax rates.				
	Per ORS	(167,466)	(42,320)	(54,432)	(70,714)
	Per CWS	0	0	0	0
(F)	Excess Tax Collection Liability				
	To adjust rate base for the creation of an excess tax collection liability resulting from lower federal tax rates.				
	Per ORS	(844,950)	(247,078)	(213,624)	(384,248)
	Per CWS	0	0	0	0
(36)	Plant Acquisition Adjustment ("PAA")				
	To adjust the PAA to reflect the removal of the I-20 facility.				
	Per ORS	32,541	0	0	32,541
	Per CWS	32,541	0	0	32,541
(37)	Interest Expense				
	To adjust interest on debt using a 48.11% and 51.89% debt to equity ratio and 6.58% cost of debt. ORS computed allowable interest expense after accounting and pro forma adjustments. See Audit Exhibit ZJP-9.				
	Per ORS	(60,934)	(220,469)	(1,383)	160,918
	Per CWS	(10,737)	(211,875)	1,471	199,667
Prop	osed Increase				
(38)	Service Revenues - Water				
	To adjust water service revenues for ORS's recalculation of the Company's proposed rate increase.				
	Per ORS	2,394,421	1,376,052	1,018,369	0
	Per CWS	2,312,034	1,317,240	994,794	0

	ription Service Revenues - Sewer	\$ Combined Operations	\$ Water Terr. 1 Operations	\$ Water Terr. 2 Operations	\$ Sewer Operations
(39)	To adjust sewer service revenues for ORS's recalculation of the Company's proposed rate increase.				
	Per ORS	2,292,098	0	0	2,292,098
	Per CWS	2,284,616	0	0	2,284,616
(40)	Miscellaneous Revenues				
	To adjust miscellaneous revenues for ORS's recalculation of the Company's proposed rate increase.				
	Per ORS	35,576	5,679	8,203	21,694
	Per CWS	0	0	0	0
(41)	Uncollectible Accounts				
	To adjust for uncollectible accounts associated with the Company's proposed rate increase.				
	Per ORS	(53,292)	(23,464)	(22,128)	(7,700)
	Per CWS	(85,236)	(17,693)	(21,426)	(46,117)
(42)	Taxes Other Than Income				
	To adjust gross receipts and utility/commission taxes associated with the Company's proposed increase using a factor of .00524169.				
	Per ORS	24,473	7,120	5,265	12,088
	Per CWS	24,810	7,110	5,369	12,331
(43)	Income Taxes -State				
	To adjust state income taxes associated with the Company's proposed increase. See Audit Exhibit ZJP-7.				
	Per ORS	225,370	65,731	47,991	111,648
	Per CWS	224,330	64,622	48,400	111,308

		\$ Combined	\$ Water Terr. 1	\$ Water Terr. 2	\$ Sewer
Desc	ription	Operations	Operations_	Operations	<u>Operations</u>
(44)	Income Taxes - Federal				
	To adjust federal income taxes associated with the Company's proposed increase. See Audit Exhibit ZJP-7.			•	
	Per ORS	899,227	262,266	191,484	445,477
	Per CWS	1,491,795	429,735	321,859	740,201
(45)	Customer Growth				
	To adjust for customer growth after proposed increase. The growth factors of 1.5662% for water territory 1, 0.4166% for water territory 2, and 1.1023% for sewer were computed by the Utility Rates Department.				
	Per ORS .	38,335	16,025	3,165	19,145
	Per CWS	0	0	0	0

Carolina Water Service, Inc. Depreciation and Amortization Expense Adjustments Docket No. 2017-292-WS For the Test Year Ended August 31, 2017

	Combined Operations	Water Terr. 1 Operations	Water Terr. 2 Operations	Sewer Operations
Depreciation Expense	\$	\$	\$	\$
Gross Plant @ 8-31-17 Add:	101,446,033	23,487,720	21,172,723	56,785,590
ORS Net Plant Additions Adjustment Less:	(6,274,846)	457,867	345,700	(7,078,413)
Organization @ 8/31/17	334,859	84,616	213,814	36,429
Land @ 8/31/17	702,610	325,067	271,444	106,099
Engineering Expenses over 10 years (Ends 2026)	28,264	0	0	28,264
Vehicles @ 2/12/18 (ORS Adjusted Per Books)	1,782,232	577,034	446,046	759,152
Computers @ 2/12/18 (ORS Adjusted Per Books)	3,474,416	1,219,711	788,782	1,465,923
Net Plant @ 2/12/18	88,848,806	21,739,159	19,798,337	47,311,310
Plant Depreciation @ 1.5% (66.67 years)	1,332,732	326,087	296,975	709,670
Vehicles @ 2/12/18	1,782,232	577.034	446,046	759,152
Less: Fully Depreciated Vehicles	1,019,584	336,746	256,508	426,330
Net Vehicles @ 2/12/18	762,648	240,288	189,538	332,822
Vehicle Depreciation @ 20.00% (5 years)	152,530	48,058	37,908	66,564
Computers @ 2/12/18	3,474,416	1,219,711	788,782	1,465,923
Less: Fully Depreciated Computers	2,706,042	949,970	614,342	1,141,730
Net Computers @ 2/12/18	768,374	269,741	174,440	324,193
Computer Depreciation @ 12.5% (8 years)	96,048	33,718	21,805	40,525
Indian Pines Extraordinary Retirement (Ends 2029)	54,441	54,441	0	0
Indian Pines Depr. @ 6.67% (15 years)	3,631	3,631	0	0
Purdy Shores & Foxwood Retirement (Ends 2024)	466,682	0	466,682	0
PS & Foxwood @ 10% (10 years)	46,668	0	46,668	
Engineering European aver 10 Varia (Endi 2020)	20.041			
Engineering Expenses over 10 Years (Ends 2026) Engineering Expense Depr. @ 10.00% (10 years)	28,264 2,826	0	0	28,264
•	2,820	U U	U	2,826
ORS Total Depreciation	1,634,435	411,494	403,356	819,585
Less: Per Books Depreciation	1,717,514	408,320	381,084	928,110
ORS Depreciation Adjustment # 23	(83,079)	3,174	22,272	(108,525)
Company's Adjustment	(73,959)	18,316	(18,873)	(73,402)

Carolina Water Service, Inc. Depreciation and Amortization Expense Adjustments Docket No. 2017-292-WS For the Test Year Ended August 31, 2017

	Combined Operations	Water Terr. 1 Operations	Water Terr. 2 Operations	Sewer Operations
Amortization of CIAC Adjustment				
Gross CIAC @ 8/31/17	(28,342,338)	(10,700,360)	(453,420)	(17,188,558)
Remove I-20 WWTP Gross CIAC	1,913,189	0	(133,120)	1,913,189
Pro Forma CIAC Additions (as of 2/12/18)	(627,585)	(304,465)	(1,470)	(321,650)
ORS Adjusted Gross CIAC	(27,056,734)	(11,004,825)	(454,890)	(15,597,019)
Accumulated Amortization of CIAC @ 8/31/17	6,679,540	1,994,846	112,482	4,572,212
Remove I-20 WWTP CIAC Accumulated Amortization	(542,425)	0	0	(542,425)
ORS Amortization Adjustment #24	(10,505)	11,458	(95)	(21,868)
ORS Adjusted CIAC Accumulated Amortization	6,126,610	2,006,304	112,387	4,007,919
ORS Adjusted Net CIAC	(20,930,124)	(8,998,521)	(342,503)	(11,589,100)
Less: Per books CIAC	(21,662,799)	(8,705,515)	(340,937)	(12,616,347)
ORS Net CIAC Adjustment # 35	732,675	(293,006)	(1,566)	1,027,247
CIAC Amortization @ 1.5% (66.67 years)	(405,851)	(165,072)	(6,823)	(233,956)
Less: Per Books Amortization of CIAC	(416,356)	(153,614)	(6,918)	(255,824)
ORS CIAC Amortization Adjustment # 24	10,505	(11,458)	95	21,868
Company's Adjustment	14,935	(12,020)	86	26,869
Amortization of DAA Adjuster and				
Amortization of PAA Adjustment Gross PAA @ 2/12/18	(1,024,823)	(877,546)	104,292	(251,569)
DAA Americation @ 15% (CC CT)	, , , ,	, ,		
PAA Amortization @ 1.5% (66.67 years)	(15,373)	(13,163)	1,564	(3,774)
Less: Per Books Amortization of PAA	(17,129)	(13,504)	1,564	(5,189)
ORS Amortization of PAA Adjustment #29	1,756	341	0	1,415

Audit Surrebuttal Exhibit ZJP-7

Carolina Water Service, Inc. Computation of Income Taxes Docket No. 2017-292-WS For the Test Year Ended August 31, 2017

After Accounting & Pro Forms Adjustments

After Acc	counting & Pro Fo	rma Adjustments		
	\$ Combined Operations	Water Terr. 1 Operations	Water Terr. 2 Operations	\$ Sewer Operations
Operating Revenues	20,364,147	5,959,844	5,123,311	9,280,992
Less: Operating Expenses	17,048,270	5,348,001	4,182,540	7,517,729
Net Operating Income Before Taxes	3,315,877	611,843	940,771	1,763,263
Less: Annualized Interest Expense	1,691,277	264,509	511,278	915,490
Taxable Income - State	1.624.600			
State Income Tax %	1,624,600	347,334	429,493	847,773
State medite 1 ax 70	5.0%	5.0%	5.0%	5.0%
State Income Taxes	81,231	17,367	21,475	42,389
Less: State Income Taxes Per Book	177,733	57,365	48,377	71,991
ORS State Income Tax Adjustment #23	(96,502)	(39,998)	(26,902)	(29,602)
T 11 1 5 1				
Taxable Income - Federal Federal Income Taxes %	1,543,369	329,967	408,018	805,384
redefai income Taxes %	21.0%	21.0%	21.0%	21.0%
Federal Income Taxes	324,108	69,293	85,684	169,131
Less: Federal Income Taxes Per Book	1,074,691	352,610	285,967	436,114
ORS Federal Income Tax Adjustment #24	(750,583)	(283,317)	(200,283)	(266,983)
			-	
After	Applicant's Propo	sed Increase	\$	
	or Combined	Water Terr. 1	Water Terr. 2	\$ Sewer
	Operations	Operations	Operations	Operations
Operating Revenues	25,032,950	7,318,111	6 127 755	11 507 004
Less: Operating Expenses	17,209,667	5,391,650	6,127,755 4,227,165	11,587,084 7,590,852
<i>y</i> = <i>y</i> =		5,571,050	7,227,103	1,390,832
Net Operating Income Before Taxes	7,823,283	1,926,461	1,900,590	3,996,232
Less: Annualized Interest Expense	1,691,277	264,509	511,278	915,490
Taxable Income - State	6,132,006	1,661,952	1,389,312	3,080,742
State Income Tax %	5.0%	5.0%	5.0%	5,080,742
				31070
State Income Taxes	306,601	83,098	69,466	154,037
Less: State Income Taxes As Adjusted	81,231	17,367	21,475	42,389
ORS State Income Tax Adjustment #43	225,370	65,731	47,991	111,648
Taxable Income - Federal	5,825,405	1,578,854	1,319,846	2,926,705
Federal Income Taxes %	21.0%	21.0%	21.0%	2,920,703
Federal Income Taxes	1,223,335	331,559	277,168	614,608
Less: Federal Income Taxes As Adjusted	324,108	69,293	85,684	169,131
ORS Federal Income Tax Adjustment #44	899,227	262,266	191,484	445,477

Audit Surrebuttal Exhibit ZJP-8

Carolina Water Service, Inc. Cash Working Capital Allowance Docket No. 2017-292-WS For the Test Year Ended August 31, 2017

After Accounting & Pro Forma Adjustments

	\$	\$	\$	\$
	Combined	Water Terr. 1	Water Terr. 2	Sewer
Description	Operations	Operations	Operations	Operations
Maintananaa Europeaa	10.072.070	2 (05 040	2 101 742	4065.006
Maintenance Expenses	10,062,079	3,605,040	2,191,743	4,265,296
General Expenses	2,889,520	994,239	732,803	1,162,478
Total Expenses for Computation	12,951,599	4,599,279	2,924,546	5,427,774
Allowable Rate	12 500	10.500	10.505	10.500
Allowable Rate	12.50%	12.50%	12.50%	12.50%
Computed Cash Working Capital	1,618,950	574,910	365,568	678,472
Compared Cash Working Capital	1,010,250	374,510	505,500	070,472
Less: Cash Working Capital - Application Per Books	1,625,322	486,051	342,340	796,931
ORS Cash Working Capital Adjustment #34	(6,372)	88,859	23,228	(118,459)
Company's Cash Working Capital Adjustment	38,664	89,825	25,018	(76,179)

Carolina Water Service, Inc. Return on Equity Docket No. 2017-292-WS Capital Structure at August 31, 2017

Combined Operations

					Application Per	er Books (Note 1)		Affer A	counting and	After Accounting and Pro-forms Adjustments	trounts	•	A Post A reality and a December 1 forms		;
	€ 8	(Note)	•	Poto	- Confedence		Income				Income		e mondete cane	ta colored mercal	-=
Description	- Sin	Structure	Ratio	Base	Cost/Return	Cost/Return	Return	Rate	Cost/Return	Overall Cost/Return	For	Kate Base	Embedded Cost/Return (Overall Cost/Return	For Refurn
Long-Term Debt Common Equity	\$ 221,7	221,748,924 239,179,224	48.11% \$ 51.89%	27,278,598	6.58% 3.36%	3.17% \$	1,794,932 S 988,315	25,703,307	6.58% 4.50%	3.17% \$	1,691,278 \$	25,703,307 27,723,683	6.58% 17.34%	3.17% \$ 9.00%	1,691,278
Totals	\$ 460.	460,928,148	100,007. \$	56.701,397	11	4.91% \$	2.783.247 s	53,426,990	ı	5.51% \$	2,939,341 \$	53,426,990		12.17% S	6,497,409
							Water T	Water Terr. 1 Operations	Su						
			ι		Application Per	er Books (Note 1)		After A	ecounting and	After Accounting and Pro forma Adjustments	tments	<	After Applicant's Proposed Increase	Proposed Increa	3
Description	Ca	Capital Structure	Ratio	Rate Base	Embedded Cost/Return	Overall Cost/Return	Income For Return	Rate Base	Embedded Cost/Return	Overall Cost/Return	Income For Return	Rate Base	Embedded Cost/Return (Overall Cost/Return	Income For Return
Long-Term Debt Common Equity	\$ 221.	221,748,924	48.11% \$ 51.89%	3,964,630	6.58%	3.17% \$	241,861 \$	4,019,896	6.58% 6.20%	3.17% \$	264,509 \$	4,019,896	6.58% 30.17%	3.17% \$	264,509 1,308,074
Totals	\$ 460,	460,928,148	100.00% \$	7,640,336	I,	0.33% S	24,464 \$	8,355,770	II	6,39% \$	533,408 \$	8,355.770	.	18.83% \$	1,572,583
							Water To	Water Terr. 2 Operations	됩						
			ı		Application Per	Application Per Books (Note 1)		After A	ccounting and I	After Accounting and Pro forma Adjustments	tments	A	After Applicant's Proposed Increase	Proposed Increa	ž
Description	Ca	Capital Structure	Ratio	Rate Base	Embedded Cost/Return	Overall Cost/Return	Income For Return	Rate Base	Embedded Cost/Return	Overall Cost/Return	Income For Return	Rate Base	Embedded Cost/Return (Overall Cost/Return	Income For Return
Long-Term Debt Common Equity	S 221.7	221,748,924 239,179,224	48.11% \$	7,694,514	6.58% 4.17%	3.17% \$	506,299 \$	7,770,188	6.58% 3.89%	3.17% \$ 2.02%	511,278 \$ 325,807	7,770,188	6.58% 12.99%	3,17% \$ 6.74%	511,278 1,088,676
Totals	\$ 460.5	460,928,148	100.00% \$	\$ 15,993,845		5.33% S	852,518 \$	16,151,141	II.	5,19% S	837,085 \$	16,151,141	II.	\$ 2516.6	1,599,954
							Sewe	Sewer Operations							
			ı		Application Per Books (Note 1)	Books (Note 1)		After A	ccounting and I	After Accounting and Pro forma Adjustments	tments	V	After Applicant's Proposed Increase	Proposed Increa	e.
Description	Cal	Capital Structure	Ratio	Rate Base	Embedded Cost/Return	Overall Cost/Return	Income For Return	Rate Base	Embedded Cost/Return	Overall Cost/Return	Inconse For Return	Rate Base	Embedded Cost/Return (Overall Cost/Return	Income For Return
Long-Term Debt Common Equity	S 221.7 239.1	221,748,924 239,179,224	48.11% \$	15,908,379	6.58% 5.01%	3.17% \$	1.046.771 \$	13,913,224	6.58% 4.35%	3.17% \$ 2.26%	915,490 \$	13,913,224	6.58% 16.06%	3,17% \$	915,490
Totals	\$ 460.5	460,928,148	\$ 500.001	100.00% \$ 33,067,216	II ,	5.77% S	1,906,265 \$	28,920,079	ı	5.43% \$	1,568,848 \$	28,920,079	I	11.50% \$	3,324,872

Note 1: The interest expense calculations reflect ORS's capital structure ratios and cost of debt applied to the Company's per book numbers.